

[WHAT IS CLAIMED IS]

A "wireless hand-free headset of the mobile phone built in the battery packet" consists of:

A battery packet, which is placed in the cell phone and consists of a battery and a radio frequency send/receive module, whose power is supplied directly by the battery. The in-and-out of the signal is connected with the existing voice signal connection port in the battery packet;

A wireless headset, which consists of a battery and a radio frequency send/receive module, whose power likewise is supplied directly by the battery;

In this way, it is the one that transmits the signal into the air at an extreme low transmission power and at the same time another radio frequency send/receive module in the wireless headset constructs a signal communication network with the low power radio frequency send/receive module in the previous battery packet and then a simple and easy operation of the wireless hand-free headset of the cell phone is completed.